

# Performance & Statistical Data

## Per Pupil Expenditures

The Department of Education (DOE) calculates per pupil expenditures using data provided in the end of year pupil and financial reports prepared by each school system. Needham Public Schools are in the middle of the range of comparable communities offering high quality education programs. Our spending is above the state average, but below many of our neighboring counterparts. Thus, we offer high value per dollar expended.

Community	FY 93 (1)	FY 94 (1)	FY 95 (1)	FY 96 (1)	FY 97 (1)	FY 98 (1)	FY 99 (1)	FY00 (1)	FY 01 (1)	FY 02 (2)
Medfield	\$4,844	\$4,846	\$4,820	\$5,223	\$5,412	\$5,235	\$5,789	\$5,905	\$6,046	\$6,114
Hopkinton	\$4,899	\$5,073	\$5,077	\$5,240	\$5,784	\$5,555	\$5,926	\$6,256	\$6,724	\$7,031
Norwood	\$5,793	\$5,893	\$6,035	\$6,457	\$6,484	\$7,008	\$6,973	\$7,682	\$7,598	\$7,246
Holliston	\$4,377	\$4,760	\$5,092	\$5,490	\$5,844	\$6,282	\$6,404	\$6,524	\$7,081	\$7,437
Walpole	\$4,606	\$4,817	\$4,877	\$5,168	\$5,439	\$5,862	\$6,047	\$6,574	\$6,940	\$7,641
Winchester	\$5,999	\$6,211	\$6,252	\$6,354	\$6,832	\$6,824	\$7,347	\$7,937	\$8,390	\$7,937
State	\$5,130	\$5,348	\$5,524	\$6,023	\$6,276	\$6,636	\$6,978	\$7,450	\$7,874	\$8,005
Natick	\$6,663	\$6,618	\$6,759	\$7,070	\$7,174	\$7,317	\$7,781	\$8,266	\$8,364	\$8,088
Sherborn	\$6,910	\$7,009	\$6,975	\$7,436	\$7,716	\$7,976	\$8,551	\$9,172	\$9,936	\$8,195
<b>Needham</b>	<b>\$6,252</b>	<b>\$6,435</b>	<b>\$6,287</b>	<b>\$6,853</b>	<b>\$7,043</b>	<b>\$7,583</b>	<b>\$8,023</b>	<b>\$8,516</b>	<b>\$8,847</b>	<b>\$8,434</b>
Dedham	\$6,016	\$6,315	\$6,003	\$6,361	\$6,693	\$7,063	\$7,508	\$8,226	\$8,783	\$8,524
Dover	\$7,921	\$7,848	\$7,261	\$7,852	\$8,254	\$8,598	\$8,864	\$9,171	\$9,942	\$8,603
Wayland	\$6,753	\$7,043	\$7,141	\$7,265	\$7,134	\$7,489	\$7,565	\$8,132	\$8,743	\$8,711
Framingham	\$6,197	\$6,313	\$6,487	\$7,176	\$7,532	\$7,960	\$8,209	\$8,795	\$8,986	\$8,945
Westwood	\$7,670	\$8,038	\$7,031	\$7,735	\$7,661	\$7,979	\$7,905	\$9,076	\$8,839	\$8,976
Wellesley	\$7,001	\$7,440	\$6,932	\$7,409	\$7,555	\$7,861	\$8,420	\$8,746	\$9,298	\$9,244
Lexington	\$6,950	\$6,913	\$7,209	\$7,377	\$7,685	\$7,893	\$8,294	\$8,773	\$9,568	\$9,482
Concord	\$8,192	\$8,041	\$7,928	\$8,128	\$8,906	\$9,123	\$9,335	\$9,614	\$10,275	\$9,640
Newton	\$6,752	\$6,920	\$6,710	\$7,315	\$7,806	\$8,317	\$8,982	\$9,471	\$10,116	\$10,140
Brookline	\$7,198	\$7,479	\$7,566	\$8,093	\$8,246	\$8,754	\$9,478	\$9,831	\$10,550	\$10,268
Weston	\$8,592	\$8,896	\$8,748	\$9,550	\$9,906	\$9,863	\$10,202	\$10,190	\$11,018	\$10,909

(1) Source: Massachusetts Department of Education. These figures represent "total integrated education costs" divided by "net average membership, as a measure of "the average cost of education for all children residing in a community, regardless of the district where they attend." Total integrated expenditures include school operating, grant and revolving fund expenditures; all related educational costs incurred by Town Departments (such as benefit and administrative overhead), tuition paid to other schools, and the Minuteman assessment. Net average membership is the sum of pupils in local schools, other public school districts and in special needs day and residential programs.

(2) Source: Massachusetts Department of Education. The integrated Cost Per Pupil calculation is discontinued for FY02 and beyond. Beginning in FY02, Per Pupil Expenditures exclude children being educated outside of the district. Similarly, tuition, regional district spending, and other payments for out-of-district pupils no longer are factored into the per pupil spending statistic.

## Enrollment

FY	Kindergarten	Elementary	Middle	High	Total	Inc/(Dec)	% Inc/(Dec)	
2005 (1)		422	1,883	1,046	1,429	4,780	113	2.4%
2004		394	1,809	1,090	1,374	4,667	102	2.2%
2003		383	1,767	1,069	1,346	4,565	126	2.8%
2002		339	1,743	1,074	1,283	4,439	65	1.5%
2001		346	1,763	1,051	1,214	4,374	40	0.9%
2000		323	1,821	1,000	1,190	4,334	31	0.7%
1999		315	1,842	992	1,154	4,303	22	0.5%
1998		361	1,813	943	1,164	4,281	171	4.2%
1997		333	1,788	907	1,082	4,110	61	1.5%
1996		383	1,732	898	1,036	4,049	158	4.1%
1995		349	1,626	910	1,006	3,891	95	2.5%

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## Plans of High School Graduates

Year	Number of Graduates	Four Year Colleges (%)	Two Year Colleges (%)	Military (%)	Work (%)	Other (%)
2003	301	92.0	2.7	0.3	3.4	1.6
2002	260	85.7	5.0	1.5	6.6	1.2
2001	272	88.2	2.6	3.0	3.3	2.9
2000	267	86.9	3.4	1.5	2.6	5.6
1999	246	83.7	3.7	1.2	8.1	0.0
1998	256	89.9	1.2	0.0	4.3	0.1
1997	231	84.5	2.6	1.3	1.3	6.9
1996	229	79.6	8.3	0.0	1.7	7.0
1995	231	86.7	5.2	0.4	2.1	2.6
1994	227	82.9	4.8	1.3	0.9	4.4

Source: Needham Public Schools, Office of Student Development & Program Evaluation

## State and National Testing Results:

### *Five Year Comparison of SAT Scores:*

Test/ Region	1998	1999	2000	2001	2002	2003
<b>Verbal</b>						
Needham	552	577	574	586	577	577
State	508	511	511	511	512	516
National	505	505	505	506	504	507
<b>Math</b>						
Needham	560	585	588	603	596	596
State	508	511	513	515	516	522
National	512	511	514	514	516	519
<b>Combined</b>						
Needham	1112	1162	1162	1189	1173	1173
State	1016	1022	1024	1026	1028	1038
National	1017	1016	1019	1020	1020	1026

Source: Needham Public Schools, Office of Student Development & Program Evaluation

### *Massachusetts Comprehensive Assessment System (MCAS) Test Score Summary:*

The purpose of the MCAS tests is to increase the student achievement and improve instructional practice across all grades. All fourth, eighth, and tenth grade students are required to take these tests under the 1993 Education Reform Law. The tests are based on newly-established learning standards for all public schools in the Commonwealth of Massachusetts. The tests were administered for the first time in 1998.

Language Arts

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Failing/ Warning (%)
10-2003	Needham	99	43	47	10	1
	State	95	20	41	28	12
08-2003	Needham	No Language Arts Testing in 8/2003				
	State					
06-2003	Needham	No Language Arts Testing in 6/2003				
	State					
04-2003	Needham	100	24	57	18	1
	State	98	10	45	34	10
10-2002	Needham	98	42	47	9	2
	State	95	19	40	27	14
08-2002	Needham	No Language Arts Testing in 8/2002				
	State					
06-2002	Needham	No Language Arts Testing in 6/2002				
	State					
04-2002	Needham	100	14	60	22	3
	State	97	8	46	37	10
10-2001	Needham	100	39	45	14	2
	State	99	15	35	31	18
08-2001	Needham	99	24	68	6	1
	State	100	8	59	25	8
06-2001	Needham	100	15	65	17	3
	State	99	6	49	32	12
04-2001	Needham	100	14	63	23	1
	State	100	7	44	38	11
10-2000	Needham	100	19	51	21	9
	State	97	7	29	30	31
08-2000	Needham	100	20	71	7	2
	State	100	5	57	27	11
04-2000	Needham	100	3	48	47	2
	State	99	1	19	67	12
10-1999	Needham	98	19	49	18	13
	State	93	4	30	34	32
08-1999	Needham	98	13	72	12	3
	State	95	3	53	31	13
04-1999	Needham	98	1	40	57	2
	State	96	0	21	67	12
10-1998	Needham	99	29	49	19	3
	State	96	5	33	34	28
08-1998	Needham	99	7	76	15	2
	State	98	2	52	31	14
04-1998	Needham	98	4	46	48	3
	State	98	1	19	51	15

Reading

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Warning (%)
03-2003	Needham	99	N/A	73	23	4
	State	99	N/A	63	30	7
03-2002	Needham	99	N/A	78	20	2
	State	98	N/A	67	27	6
03-2001	Needham	100	N/A	82	16	2
	State	100	N/A	62	31	7

Mathematics

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Failing/ Warning (%)
10-2003	Needham	99	47	34	17	2
	State	96	24	27	28	21
08-2003	Needham	100	25	38	28	9
	State	98	12	25	30	33
06-2003	Needham	100	43	35	15	7
	State	99	16	26	32	26
04-2003	Needham	100	19	41	36	4
	State	98	12	28	43	16
10-2002	Needham	98	43	36	17	4
	State	96	20	24	31	25
08-2002	Needham	98	22	37	30	12
	State	98	11	23	33	33
06-2002	Needham	100	47	30	16	7
	State	99	13	28	29	30
04-2002	Needham	100	25	41	27	7
	State	98	12	27	42	19
10-2001	Needham	99	43	37	17	2
	State	100	18	27	30	25
08-2001	Needham	100	23	39	29	10
	State	99	11	23	34	31
06-2001	Needham	100	37	36	19	9
	State	99	13	23	30	33
04-2001	Needham	100	14	63	23	1
	State	100	7	44	38	11

Mathematics (continued)

10-2000	Needham	100	32	30	23	16
	State	97	15	18	22	42
08-2000	Needham	100	27	37	20	16
	State	100	10	24	27	39
04-2000	Needham	100	33	38	27	2
	State	100	12	28	42	18
10-1999	Needham	98	27	26	24	23
	State	94	9	15	23	53
08-1999	Needham	98	14	42	29	15
	State	97	6	22	31	40
04-1999	Needham	99	23	36	34	7
	State	97	12	24	44	19
10-1998	Needham	99	24	26	24	16
	State	96	6	18	24	52
08-1998	Needham	99	18	35	29	18
	State	98	9	24	25	42
04-1998	Needham	98	25	35	33	7
	State	98	11	23	43	22

History & Social Science

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Warning (%)
2003	No History / Social Science Testing in 2003					
08-2002	Needham	98	3	27	59	11
	State	98	1	11	46	22
08-2001	Needham	99	4	21	63	11
	State	100	1	10	48	41

Source: Needham Public Schools, Office of Student Development & Program Evaluation

Science & Technology

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Warning (%)
10-2003	No Science/ Technology Testing in 2003					
08-2003	Needham	100	10	50	30	9
	State	98	4	28	37	31
05-2003	Needham	98	31	41	24	5
	State	99	18	33	34	15
04-2003	No Science/ Technology Testing in 2003					
2002	No Science/ Technology Testing in 2002					
2002	No Science/ Technology Testing in 2001					
10-2000	Needham	99	6	40	40	13
	State	97	3	23	37	34
08-2000	Needham	100	19	49	20	12
	State	98	6	29	27	36
04-2000	Needham	99	28	59	11	1
	State	99	11	51	30	7
10-1999	Needham	98	6	39	43	12
	State	94	3	21	39	38
08-1999	Needham	98	13	41	26	19
	State	96	5	23	27	45
04-1999	Needham	99	24	56	18	2
	State	97	10	46	36	9
10-1998	Needham	99	5	40	47	8
	State	96	1	20	41	36
08-1998	Needham	99	4	46	34	15
	State	98	1	26	31	42
04-1998	Needham	98	12	57	28	3
	State	98	6	41	41	12

Source: Needham Public Schools, Office of Student Development & Program Evaluation

## School Building Construction, Renovation & General Maintenance Schedule:

School	Sq. Ft.	Student Capacity	Year Built	Additions	Renovations	Type Other Maintenance	Year Other Maintenance
High School	241,000	1,390	1930	1954 1966	1989 1997 (ADA) Gym & Aud. 2000 HVAC (Phase I) 2001	Boiler Repl. (2) Oil Tanks Boiler Repl. (2) Boiler Feed Repl.	1986 1990 1995 1997
William Pollard Middle School	154,000	922	1956	1969 1994	1994 1995 (HVAC) 1996 (ADA) Modulars (2002)	Roof Boiler Repl. (2) Oil Tanks Boiler Repl. (2) Exterior Painting	1985-1988 1987 1993 1994 2003
Broadmeadow	87,000	500	1953		Total Renov. w/ Additions 2002		
John Eliot Elementary School	63,000	400	2003		Total Renov. w/ Additions 2003		
High Rock Elementary School	34,800	350	1951	1953		Roof Oil Tanks Boiler Repl. (1) Burner and Boiler Feed ADA Mod.	1989-1990 1991-1992 1988 1997 1998
Hillside Elementary School	45,300	350 (400 w/ Modulars)	1960	1969	Modulars 1997 Boiler Rm. 1998	Boiler Repl. (1) Oil Tanks Fire Alarm Repl. Asbestos Floor Tile Abate. Roof Repl.	1989 1992-1993 2002 2003 2003
William Mitchell Elementary School	47,000	433	1950	1959 1969	Boiler Rm. 1999	Roof Oil Tanks Boiler Repl. (1) Lights & Ceilings Boiler Rehab. Intercom/Clock/ Bells	1980, 1990, 1993, 1997 1992-1993 1989 1983-1985 1995 1997
Derwood Newman Elementary School (former Middle School)	120,000	599	1962		Minor 1993/1994 1995 1996 (HVAC) Major 1997/1998 Preschool 2002	Oil Tanks Boiler Repl. Roof Water Main Repl.	1992-1993 1989 & 1990 1985 & 1990 2003
John Daley	10,000	Storage & Maint.					
Emery Grover (former High & Middle School)	12,000	Admin.	1898		1958 Minor 1988	Oil Tanks South Portico Repair	1985 2003

NB: IN 1989, Town Meeting approved funding for \$685,000 in School asbestos abatement.

Source: Municipal Building Maintenance Board (MBMB)

**Notes:**